

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.:

P-633 (TI-0020)

Inventors:

Taylor and Yu

Serial No.:

09/873,645

Filing Date:

June 4, 2001

Examiner:

Sheinberg, Monika B.

Group Art Unit:

1634

Title:

Analysis of Data From Liquid Chromatographic Separation of DNA

CERTIFICATE UNDER 37 CFR 3.73(b)

Transgenomic, Inc., a corporation certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor(s) of the patent application identified above. The assignment is attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own belief are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature

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Date

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LAW DEPARTMENT TRANSGENOMIC, INC. 12325 Emmet St.

Omaha, NE 68164

Typed or printed name

Kenh A. Johnson

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JUN 3 0 2003 (2)	TRANSMITTAL LETTER (General - Patent Pending)		Docket No. P-633 (TI-0020)
In Re Application Of: 1	Caylor and Yu	•	
Serial No. 09/873,645	Filing Date June 4, 2001	Examiner Sheinberg, Monika B.	Group Art Unit
Title: Analysis of Data	From Liquid Chromatographic S	eparation of DNA	
	TO THE COMMISS	IONER FOR PATENTS:	
Transmitted herewith is:			
Executed Power of Att	orney with Revocation; Executed	Certificate Under 37 CFR 3.73	3 (b)
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	ignature	Dated: June 26, 2003	
Jane Massey Licata, Reg.	No. 32,257		
Licata & Tyrrell P.C.		L certify that this	document and fee is being deposited
66 East Main Street Marlton, N.J. 08053		on Jun 26,200	
Tel: 856-810-1515 Fax: 856-810-1454		li li	Patents, P.O. Box 1450, Alexandria, VA
		long	osylvani

CC:

Signature of Person Mailing Correspondence

Jane Massey Licate

Typed or Printed Name of Person Mailing Correspondence



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: P-633 (TI-0020)

Inventors: Taylor and Yu

Serial No.: 09/873,645

Filing Date: June 4, 2001

Examiner: Sheinberg, Monika B.

Group Art Unit: 1634

Title: Analysis of Data From Liquid

Chromatographic Separation of DNA

Mail Stop Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Dear Sir:

POWER OF ATTORNEY WITH REVOCATION

Revoking any and all powers of attorney heretofore given in the matter of the above-entitled application, the undersigned, in the above-identified assignee of the entire interest application, hereby appoints, Keith A. Johnson, Registration No. 53,079 of Omaha, NE and Licata & Tyrrell P.C., Jane Massey Licata, Registration No. 32,257, Kathleen A. Tyrrell, Registration No. 38,350, Laura Plunkett, Registration No. 45,015, and, Bridget C. Sciamanna, Registration No. 47,333, of Marlton, New Jersey, as attorney, with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith.

Send all future correspondence and address all telephone calls to:

> Jane Massey Licata, Esquire Licata & Tyrrell P.C.

66 E. Main Street

Marlton, New Jersey 08053

Phone: (856) 810-1515

Fax:

(856) 810-1454

Respectfully submitted

Name:

Title:

Date: 06.04.

LAW DEPARTMENT TRANSGENOMIC, INC. 12325 Emmet St. Omaha, NE 68164

UNITED STATES PATENT AND TRADEMARK OFFICE

Assignee: Transgenomic, Inc.

Examiner:

N/A

Serial No.:

09/873,645

Art Unit:

N/A

Filing Date:

06/04/2001

Title: ANALYSIS OF DATA FROM LIQUID CHROMATOGRAPHIC SEPARATION OF

DNA

Box ASSIGNMENTS Assistant Commissioner of Patents and Trademarks Washington, D.C. 20231

Sir:

ASSIGNMENT

KNOW ALL MEN BY THESE PRESENTS, that Whereas we, Paul D. Taylor and Elisa Yu, invented certain new and useful improvements in ANALYSIS OF DATA FROM LIQUID CHROMATOGRAPHIC SEPARATION OF DNA, and have disclosed the same in an application for Letters Patent, Serial No. 09/873,645, filed in the United States Patent and Trademark Office on 06/04/2001; and

WHEREAS TRANSGENOMIC, INC., a corporation duly organized and existing under the laws of DELAWARE, and having a post office address at 2032 CONCOURSE DRIVE, SAN JOSE, CA 95131 is desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor from the United States Patent and Trademark Office;

NOW THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable considerations to us by **TRANSGENOMIC**, **INC.**, the receipt whereof is hereby acknowledged, We do hereby sell, assign, transfer and set over unto **TRANSGENOMIC**, **INC.**, its successors and assigns, the entire right, title and interest in, to and under the said application for United States Letters Patent, including all priority rights arising therefrom, all inventions

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therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for the said inventions, or any of them.

TO HAVE, HOLD and ENJOY the said inventions, the said Application, and the said Letters Patent to said TRANSGENOMIC, INC., its successors and assigns, to its and their own use and behoof to the full end of the term or terms for which the said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

And We do hereby authorize and request the Commissioner of Patents of the United States to issue any United States Letters Patent which may be granted on the said application, or any original, divisional, reissue, continuation, or provisional applications, or for the said inventions of any of them, to said **TRANSGENOMIC**, **INC**., its successors and assigns, as assignees of the entire right, title and interest therein and thereto.

And We do hereby, for ourselves and for our legal representatives, covenant and agree with **TRANSGENOMIC**, **INC**., its successors and assigns, that We have granted to others no license to make, use or sell any of the said inventions, that our right, title and interest in the said inventions has not been encumbered, that We have good right and title to sell and assign the same, and that We will not execute any instrument in conflict herewith.

And We do hereby, for ourselves and for our legal representatives, further covenant and agree with TRANSGENOMIC, INC., its successors and assigns, that upon request We will, and they shall, execute original, divisional, reissue, continuation, or provisional applications, amended specifications, or rightful oaths; communicate to TRANSGENOMIC, INC., its successors and assigns, any facts known to us relating to the said inventions or the history thereof; execute preliminary statements and testify in any interference proceedings; execute and

UNITED STATES PATENT AND TRADEMARK OFFICE

Assignee: Transgenomic, Inc. : Examiner: N/A

Serial No.: 09/873,645 : Art Unit: N/A

Filing Date: 06/04/2001 :

Title: ANALYSIS OF DATA FROM LIQUID CHROMATOGRAPHIC SEPARATION OF

DNA

Box ASSIGNMENTS
Assistant Commissioner of Patents and Trademarks
Washington, D.C. 20231
Sir:

ASSIGNMENT

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therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for the said inventions, or any of them.

TO HAVE, HOLD and ENJOY the said inventions, the said Application, and the said Letters Patent to said **TRANSGENOMIC**, **INC.**, its successors and assigns, to its and their own use and behoof to the full end of the term or terms for which the said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

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And We do hereby, for ourselves and for our legal representatives, further covenant and agree with TRANSGENOMIC, INC., its successors and assigns, that upon request We will, and they shall, execute original, divisional, reissue, continuation, or provisional applications, amended specifications, or rightful oaths; communicate to TRANSGENOMIC, INC., its successors and assigns, any facts known to us relating to the said inventions or the history thereof; execute preliminary statements and testify in any interference proceedings; execute and

deliver any application papers, assignments, or other instruments, and do all other acts which, in the opinion of counsel for TRANSGENOMIC, INC., may be necessary or convenient to secure the grant of Letters Patent to TRANSGENOMIC, INC., its successors and assigns, or its nominees, in the United States and in all other countries where TRANSGENOMIC, INC. may desire to have the said inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for TRANSGENOMIC, INC., and to vest and confirm in TRANSGENOMIC, INC., its successors and assigns, or its nominees, the full and complete legal and equitable title to all such Letters Patent, without further consideration than now paid but at the expense of TRANSGENOMIC, INC., its successors and assigns.

The undersigned hereby grant to WILLIAM B. WALKER, Registration No. 22,498,

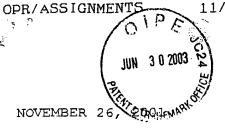
Transgenomic, Inc., the power to insert on this Assignment any further identification which may
be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, We have hereunto set our hands and seals on the dates indicated below:

Date:	•	
	Paul D. Taylor	-
Date: 10/23/6/	The	-
	Elisa Yu	

STATE OF	
COUNTY OF) ss.)
On this day	of in the year before me, ablic in and for said State, personally appeared
personally known	
one dated the Stille III	ame is subscribed to the within instrument, and acknowledge his/her authorized capacity, and that by his/her signature on the ity upon behalf of which the person acted, executed the
	WITNESS my hand and Official Seal.
	Signature of Notary Notary for the State of Residing in My Commission expires
STATE OF <u>CALIFORNIA</u>)
COUNTY OF <u>AUTHEON</u>) ss.
On this 23 nd day of Minn 13. Shiph, a Notary Public	in the year 2001 before me, c in and for said State, personally appeared ELISA YU
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The product wie stille in this	e is subscribed to the within instrument, and acknowledge ther authorized capacity, and that by his her signature on the upon behalf of which the person acted, executed the
	WITNESS my hand and Official Seal.
MIHIER B. SHAH COMM. # 1166940 NOTARY PUBLIC CAUFORNIA AUAMEDACOUNTY NY COMM. Exp. Jeo. 3, 2002	Signature of Notary

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STATE OF	CALI, JENIA SANTA CLA)	estate.		
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UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

TRANSGENOMIC, INC. WILLIAM B. WALKER 2032 CONCOURSE DRIVE SAN JOSE, CA 95131



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UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/19/2001

REEL/FRAME: 012176/0477

NUMBER OF PAGES: 9

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

TAYLOR, PAUL D.

DOC DATE: 08/28/2001

ASSIGNOR:

YU, ELISA

PATENT NUMBER:

DOC DATE: 10/23/2001

ASSIGNEE:

TRANSGENOMIC, INC. 2032 CONCOURSE DRIVE SAN JOSE, CALIFORNIA 95131

SERIAL NUMBER: 09873645

FILING DATE: 06/04/2001

ISSUE DATE:

TONYA LEE, EXAMINER ASSIGNMENT DIVISION

OFFICE OF PUBLIC RECORDS

RightFAX

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<u></u>	s: Please record the attached original documents or copy thereof.
Name of conveying party(ies): PAUL D. TAYLOR	Name and address of receiving party(les):
ELISA YU	Name: Transgenomic, Inc.
	Address: 2032 Concourse Drive
Additional names(s) of conveying party(les)	
3. Nature of conveyance:	
🖾 Assignment 🔲 Merger	
☐ Security Agreement ☐ Change of Name	City; San Jose State/Prov.; CA
Other	Country: USA ZIP: 95131
Execution Date:	Additional name(s) & address(es)
 4. Application number(s) or registration numbers(s): If this document is being filed together with a new application Patent Application No. Filing date 09/873,645 06/04/2001 	n, the execution date of the application is: B. Patent No.(s)
Additional numbers 5. Name and address of party to whom correspondence	☐ Yes 名 No 6. Total number of applications and patents involved: 1
concerning document should be mailed:	T. Total Harrison of applications and persons where
Name: William B. Walker	7. Total fee (37 CFR 3.41):\$ 40.00
Registration No. 22.498 Address: Transgenomic, Inc.	Enclosed - Any excess or insufficiency should be credited or debited to deposit account
2032 Concourse Drive	Authorized to be charged to deposit account
City: San Jose State/Prov.: CA Country: USA ZIP: 95131	8. Deposit account number: 50-6821
DO NOT	USE THIS SPACE
9. Statement and signature. To the best of my knowledge and belief, the foregoing information of the original document. TOHN F. BRADY	ation is true and correct and any attached copy is a true copy The Frank 19 NOVO/ Signature Date

Total number of pages including cover sheet, attachments, and